

**CERTIFICATE OF MAILING BY EXPRESS MAIL**Express Mail No. EV 321219157 US

I, Lisa Mansur, hereby certify that the below identified Application and attached documents, pursuant to 37 C.F.R. §1.10, are being deposited as "Express Mail" this date with the United States Postal Service in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

Date: April 15, 2004By Lisa Mansur  
Signature of person depositing Express Mail**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s):	Martin J. Murphy	Docket No.:	58651.00004
Application No.:	Not Yet Assigned	Group Art Unit:	Not Yet Assigned
Filing Date:	April 15, 2004	Examiner:	Not Yet Assigned
Title:	SYSTEMS AND METHODS FOR SPECTRAL CORRECTED LIGHTNING DETECTION		

**TRANSMITTAL PURSUANT TO 37 C.F.R. §1.97-1.98**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Commissioner:

Submitted herewith pursuant to 37 C.F.R. §1.97(b) are enclosed (1) the Information Disclosure Statement, (2) Information Disclosure Citation PTO Form 1449. No certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

This statement does NOT authorize charge of the issue fee. The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under 37 C.F.R. §§1.16-1.18 (deficiency only) now or hereafter relative to this Application and the resulting Official document under 37 C.F.R. §1.20, or credit any overpayment to Account No. 19-3878 for which purpose a duplicate copy of this sheet is attached.

Respectfully submitted,

By William R. Bachand  
William R. Bachand  
Reg. No. 34,980

April 15, 2004

Date

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# 279731

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Martin J. Murphy Docket No.: 58651.00004  
Application No.: Not Yet Assigned Group Art Unit: Not Yet Assigned  
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Title: SYSTEMS AND METHODS FOR SPECTRAL CORRECTED  
LIGHTNING DETECTION

INFORMATION DISCLOSURE STATEMENT PURSUANT TO  
37 C.F.R. §§1.97-1.98

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Commissioner:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and pursuant to 37 C.F.R. §§1.97-1.98, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents listed on the attached Form PTO-1449.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant reserves the right to dispute any of the listed documents as prior art during examination. Further, Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. Furthermore, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

Applicant respectfully submits that all pending claims are patentable over the foregoing references, alone or in combination. The Examiner is requested to initial the enclosed Form PTO-1449 and return a copy thereof to the undersigned.

The present Information Disclosure Statement is being filed within three months of the filing date of the U.S. patent application. Therefore, no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

Respectfully submitted,

By   
William R. Bachand  
Reg. No. 34,980

April 15, 2004

Date

Enclosures: PTO-1449;  
Transmittal; Statement

# 279735

ATTY. DOCKET NO.  
58651.00004

APPLICATION NO.  
Not Yet Assigned

**INFORMATION DISCLOSURE  
CITATION**

(Use several sheets if necessary)

APPLICANT  
Martin J. Murphy

FILING DATE  
April 15, 2004

GROUP  
Not Yet Assigned

TITLE: SYSTEMS AND METHODS FOR SPECTRAL  
CORRECTED LIGHTNING DETECTION

**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
		4,914,444	4/3/1990	Pifer et al.			
		4,245,190	1/13/1981	Krider et al.			
		4,198,599	4/15/1980	Krider et al.			
		4/115,732	9/19/1978	Krider et al.			

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		Martin J. Murphy and Albert E. Pifer, "Network Performance Improvements Using Propagation Path Corrections," Global Atmospherics, Inc., Paper # 35, 1998

**EXAMINER** **DATE CONSIDERED**

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.